



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Miami Wall Systems, Inc.
701 W 25th Street
Hialeah, FL 33010

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2050" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 2050-FW, titled "Fixed Window Series 2050 (L.M.I.), sheets 1 through 6 of 6, dated 01/16/09, with revision #1 dated 05/15/13, prepared by manufacturer, signed and sealed by Jorge E. Valdes, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA No. 09-0121.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
10/18/13

NOA No. 13-0521.11
Expiration Date: August 21, 2018
Approval Date: October 24, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA's No. 08-0611.11 and 09-0121.10)
2. Drawing No. 2050-FW, titled "Fixed Window Series 2050 (L.M.I.), sheets 1 through 6 of 6, dated 01/16/09, with revision #1 dated 05/15/13, prepared by manufacturer, signed and sealed by Jorge E. Valdes, P.E.

B. TESTS

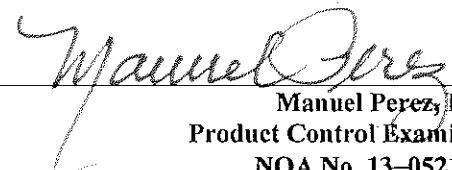
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
3) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of aluminum fixed windows mulled together, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5802, dated 12/16/08, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA No. 09-0121.10)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of aluminum fixed windows mulled together, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5595, dated 06/02/08, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 08-0611.11)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by manufacture, dated 01/14/09, signed and sealed by Jorge E. Valdes, P.E.
(Submitted under previous NOA No. 09-0121.10)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0521.11
Expiration Date: August 21, 2018
Approval Date: October 24, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

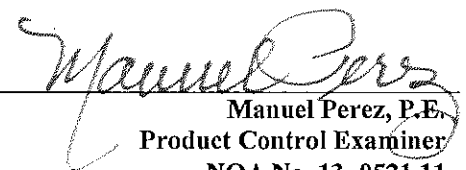
1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. TREMCO Part **EPDM interior wedge glazing gasket** complying with ASTM D 2240 Shore "A" Hardness 68-71, ASTM D412 1810 PSI-1925 PSI, ASTM D395B 22 HRS 158°F, ASTM D 624 Tear Strength 143-209 lb/in, ASTM D 1149 100H @ 104°F No Cracks, ASTM D 746 Brittleness Temperature @ -40°F Passed, ASTM C 1166 Flame Propagation, Option II No Limit.
3. TREMCO Part **EPDM interior setting blocks** complying with ASTM D 2240 Shore "A" Hardness 82-85, ASTM D412 1800 PSI-1900 PSI, ASTM D395B 22 HRS 158°F, ASTM D 624 TEAR STRENGTH 125-158 lb/in, ASTM D 1149 100H @ 104°F No Cracks, ASTM D 746 Brittleness Temperature @ -40°F Passed, ASTM C 1166 Flame Propagation, Option II No Limit.
4. Profilglass Part No. H8-375 by Ramapo $\frac{1}{64}$ -inch by $\frac{3}{8}$ -inch by $\frac{5}{16}$ -inch Aluminum Air Spacer with Aluminum Alloy of 3005-H28 and yield strength of 40 Ksi.

E. STATEMENTS

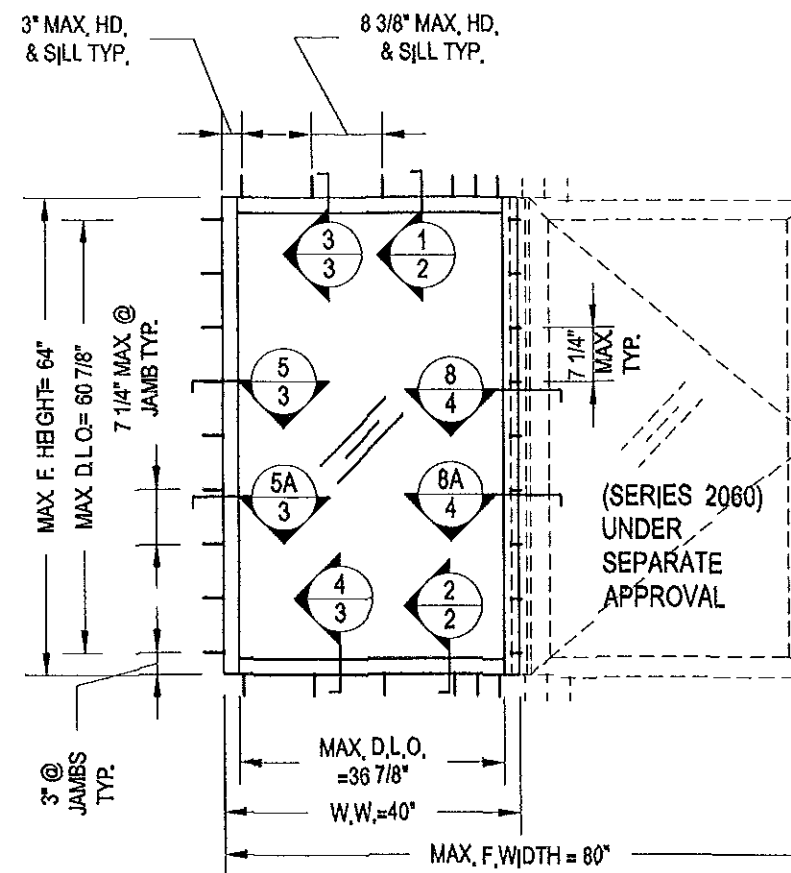
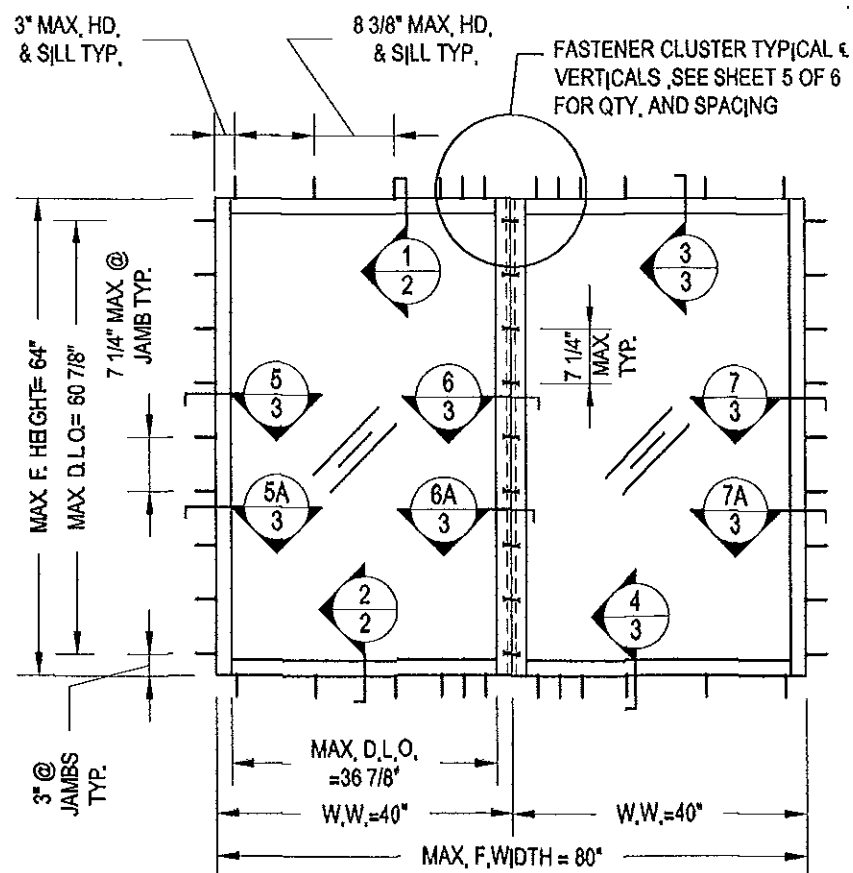
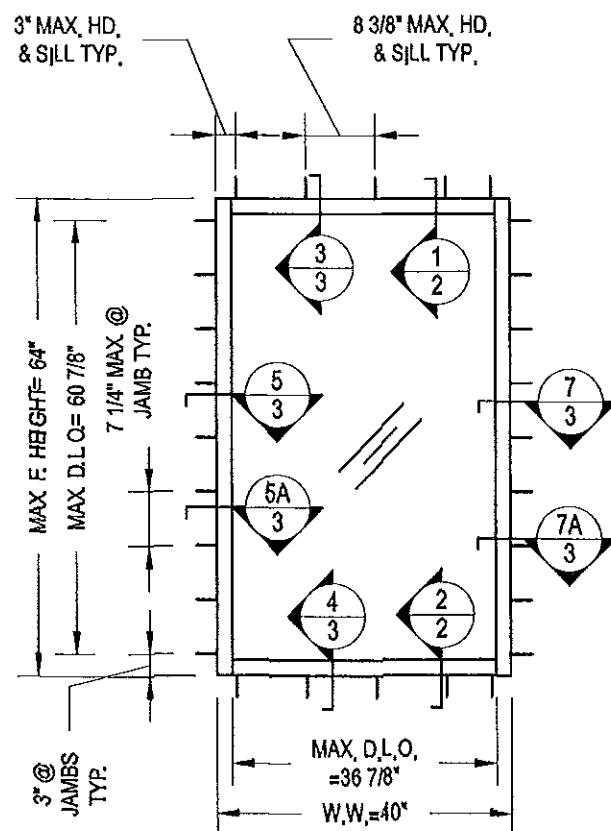
1. Statement letter of conformance complying with **FBC-2010**, and of no financial interest, issued by manufacturer, dated 05/15/13, signed and sealed by Jorge E. Valdes, P.E.
2. Revised proposal issued by Product Control, dated 11/10/08, signed by Manuel Perez, P.E.
(Submitted under previous NOA No. 09-0121.10)
3. Laboratory compliance letter for Test Reports No.'s **FTL-5802**, dated 12/16/08 and **FTL-5595**, dated 06/02/08, issued by Fenestration Testing Laboratory, Inc., both signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA's No. 08-0611.11 and 09-0121.10)
4. Proposal issued by Product Control, dated 02/06/08, signed by Manuel Perez, P.E.
(Submitted under previous NOA No. 08-0611.11)

G. OTHERS

1. Notice of Acceptance No. **09-0121.10**, issued to Miami Wall Systems, for their Series 2050 Aluminum Fixed Window - Large Missile, approved on 03/04/09 and expiring on 08/21/13.

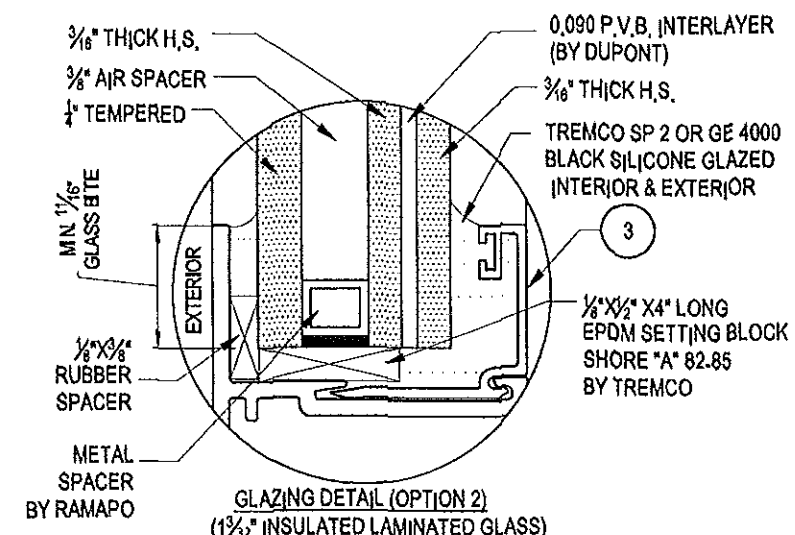
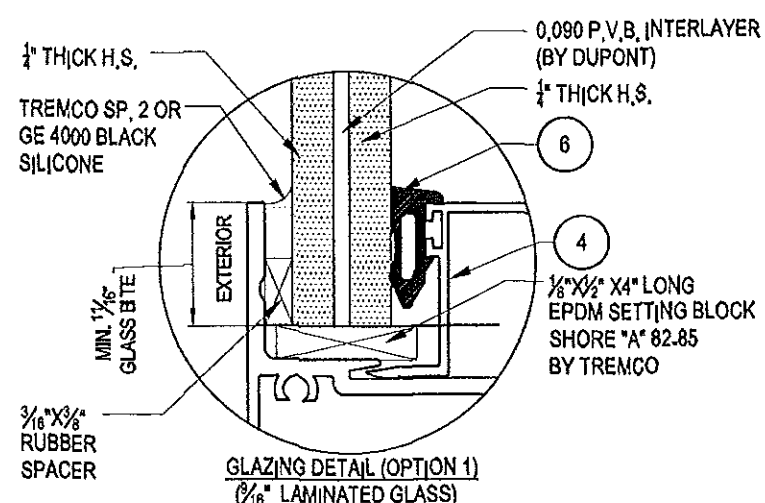

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0521.11

Expiration Date: August 21, 2018
Approval Date: October 24, 2013



GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
- FRAME HEAD AND SJLL USE SAME FASTENER SPACING
- FRAME JAMBS USE SAME FASTENER SPACING
- THIS PRODUCT IS LARGE MISSILE IMPACT RATED (L.M.I.), ITS INSTALLATION IS MANDATORY IN STRUCTURES AT H.V.H.Z. WHERE OPENING HAS NOT IMPACT SHUTTERS & IS LOCATED UP TO 30 FT. ABOVE GRADE, SHUTTERS ARE NOT REQUIRED,
- WOOD BUCKS NOT BY M.W.S. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM & TRANSFER THEM TO THE BUILDING STRUCTURE,
- SEE CHARTS ON SHEETS 2, 4 & 5 FOR LOAD CAPACITIES, MULLION (IF REQUIRED) AND ANCHOR REQUIREMENTS, THE LOWEST VALUE FROM THESE CHARTS SHALL BE THE ALLOWABLE LOAD FOR THE SYSTEM,



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0521
Expiration Date 03/21/2018
By *Manuel Perez*
Miami Dade Product Control

Jorge E. Valdes
Fla. PE# 67398
C.A.N. 28565

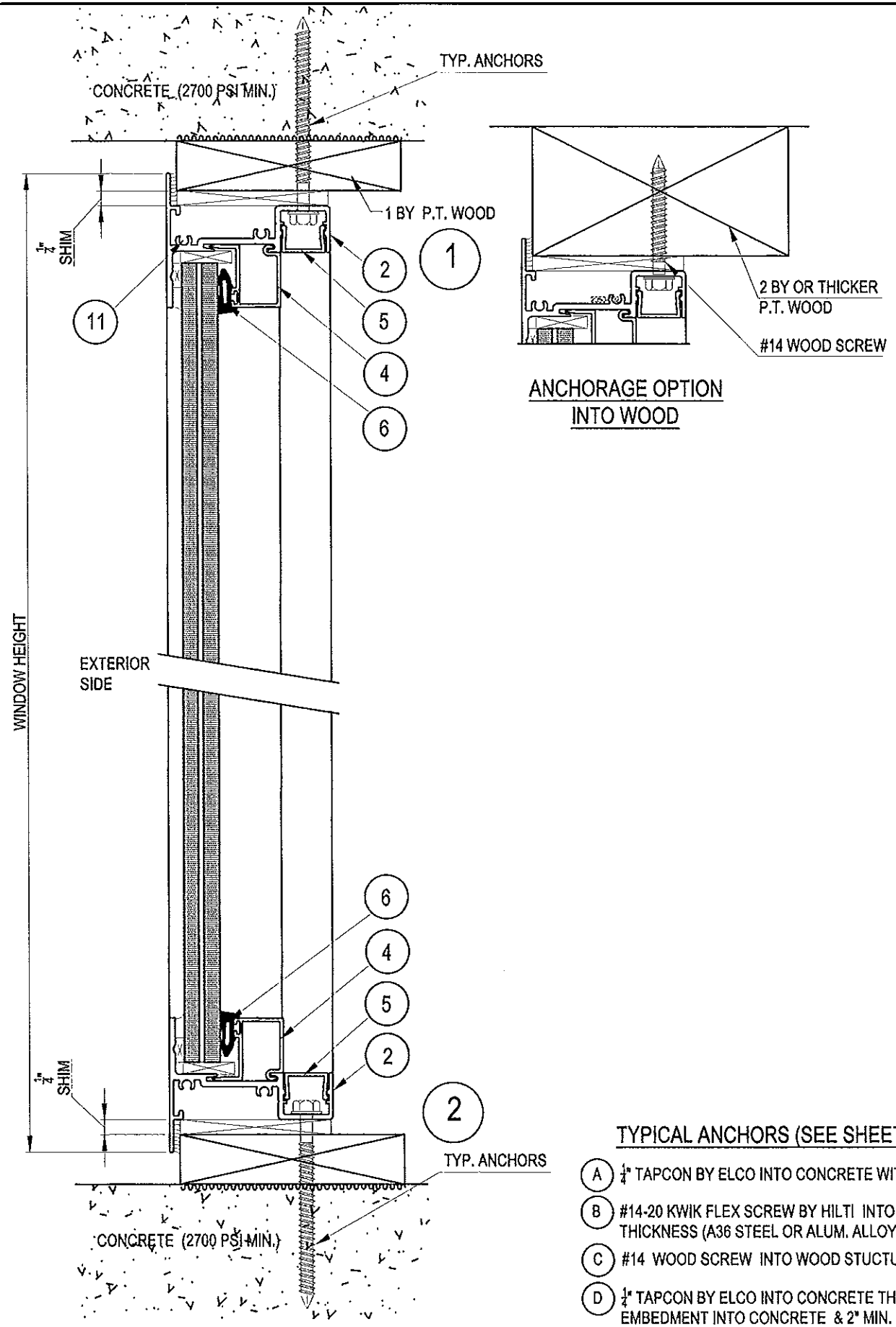
FIXED WINDOW SERIES 2050 (L.M.I.)

WINDOW ELEVATIONS
GENERAL NOTES

NO.	DATE	REVISION
1	5/15/2013	UPDATE TO 2010 FBC

DATE: 1/16/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: 2050-FW
SHEET 1 OF 6

Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, Florida 33010
Phone: (305) 888-2500 Fax: (305) 888-3058



FRAME DIMENSIONS (INCHES)		FRAME ALLOWABLE DESIGN PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE
28	40	+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44		+ 130.0 p.s.f.	-130.0 p.s.f.
48		+ 130.0 p.s.f.	-130.0 p.s.f.
52		+ 130.0 p.s.f.	-130.0 p.s.f.
56		+ 130.0 p.s.f.	-130.0 p.s.f.
60		+ 130.0 p.s.f.	-130.0 p.s.f.
64		+ 128.80 p.s.f.	- 128.80 p.s.f.
68	48	+ 121.13 p.s.f.	- 121.13 p.s.f.
72		+ 114.04 p.s.f.	- 114.04 p.s.f.
28		+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44		+ 130.0 p.s.f.	-130.0 p.s.f.
48		+ 130.0 p.s.f.	-130.0 p.s.f.
52		+ 130.0 p.s.f.	-130.0 p.s.f.
56		+ 121.87 p.s.f.	- 121.87 p.s.f.
60	52	+ 113.86 p.s.f.	- 113.86 p.s.f.
28		+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44		+ 130.0 p.s.f.	-130.0 p.s.f.
48		+ 130.0 p.s.f.	-130.0 p.s.f.
52		+ 121.34 p.s.f.	- 121.34 p.s.f.
56		+ 112.51 p.s.f.	- 112.51 p.s.f.
28	56	+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44		+ 130.0 p.s.f.	-130.0 p.s.f.
48		+ 122.92 p.s.f.	- 122.92 p.s.f.
52		+ 112.98 p.s.f.	- 112.98 p.s.f.

FRAME DIMENSIONS (INCHES)		FRAME ALLOWABLE DESIGN PRESSURE	
WIDTH	HEIGHT	POSITIVE	NEGATIVE
28	60	+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44		+ 126.66 p.s.f.	-126.66 p.s.f.
48	64	+ 115.27 p.s.f.	-115.27 p.s.f.
28		+ 130.0 p.s.f.	-130.0 p.s.f.
32		+ 130.0 p.s.f.	-130.0 p.s.f.
36		+ 130.0 p.s.f.	-130.0 p.s.f.
40		+ 130.0 p.s.f.	-130.0 p.s.f.
44	68	+ 119.46 p.s.f.	-119.46 p.s.f.
28		+ 130.0 p.s.f.	- 130.0 p.s.f.
32		+ 128.16 p.s.f.	- 128.16 p.s.f.
36		+ 125.88 p.s.f.	- 125.88 p.s.f.
40		+ 123.84 p.s.f.	- 123.84 p.s.f.
44	72	+ 113.12 p.s.f.	-113.12 p.s.f.
28		+ 130.0 p.s.f.	- 130.0 p.s.f.
32		+ 122.08 p.s.f.	- 122.08 p.s.f.
36		+ 119.93 p.s.f.	- 119.93 p.s.f.
40		+ 117.72 p.s.f.	-117.72 p.s.f.
48	76	+ 116.52 p.s.f.	- 116.52 p.s.f.
28		+ 130.0 p.s.f.	- 130.0 p.s.f.
32		+ 116.52 p.s.f.	- 116.52 p.s.f.
36		+ 114.56 p.s.f.	- 114.56 p.s.f.
40		+ 111.53 p.s.f.	-111.53 p.s.f.
44	80	+ 111.55 p.s.f.	- 111.55 p.s.f.
28		+ 130.0 p.s.f.	- 130.0 p.s.f.
32		+ 109.67 p.s.f.	- 109.67 p.s.f.
36		+ 105.95 p.s.f.	-105.95 p.s.f.
40		+ 102.72 p.s.f.	- 102.72 p.s.f.
48	84	+ 106.97 p.s.f.	- 106.97 p.s.f.
28		+ 130.0 p.s.f.	- 130.0 p.s.f.
32		+ 105.20 p.s.f.	-105.20 p.s.f.
36		+ 103.10 p.s.f.	- 103.10 p.s.f.
40		+ 103.10 p.s.f.	- 103.10 p.s.f.

TYPICAL ANCHORS (SEE SHEET 1 FOR SPACING)

- (A) 1/4" TAPCON BY ELCO INTO CONCRETE WITH 1 1/4" MIN. EMBEDMENT & 2" MIN. EDGE DIST.
- (B) #14-20 KWIK FLEX SCREW BY HILTI INTO METAL STRUCTURES WITH 1/4" THICKNESS (A36 STEEL OR ALUM. ALLOY 6030-T5 MIN.) & 1" MIN. EDGE DIST.
- (C) #14 WOOD SCREW INTO WOOD STRUCTURES WITH 1 1/4" MIN. EMBEDMENT & 1 1/2" MIN. EDGE DIST.
- (D) 1/4" TAPCON BY ELCO INTO CONCRETE THROUGH 1" BY PRE-TREATED WOOD WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE & 2" MIN. EDGE DIST.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0521-11
Expiration Date 08/21/2018

By *Manuel Torres*
Miami Dade Product Control

Jorge E. Valdes
Fla. PE# 67398
C.A.N. 28565

OCT 14 2013

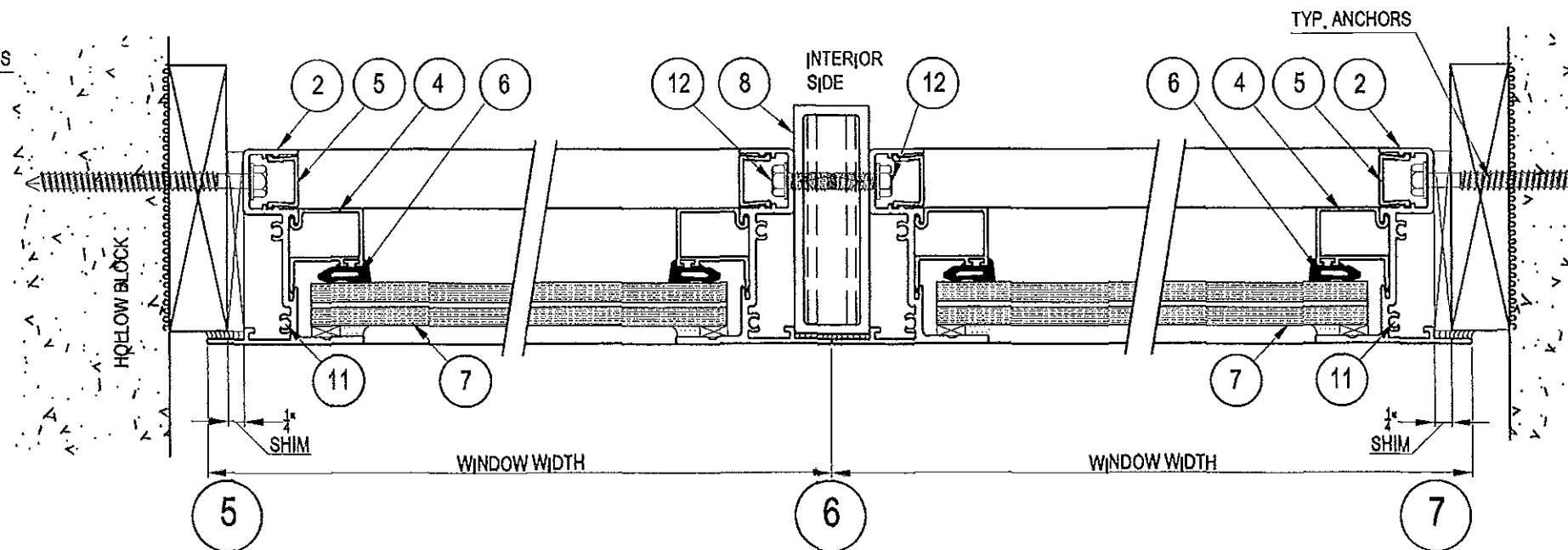
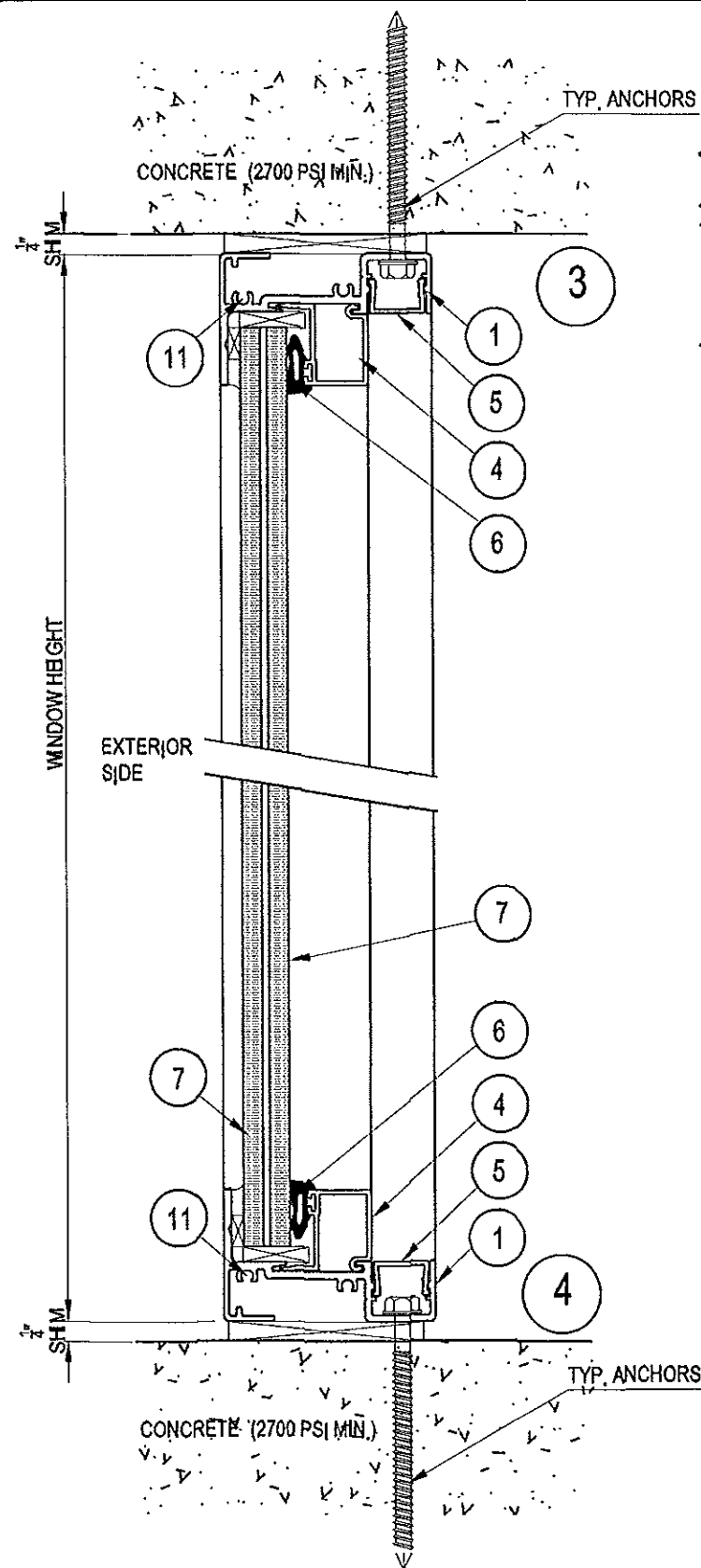
REVISION
DATE
1 5/15/2013
UPDATE TO 2010 FBC

DATE: 1/16/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: 2050-FW
SHEET 2 OF 6

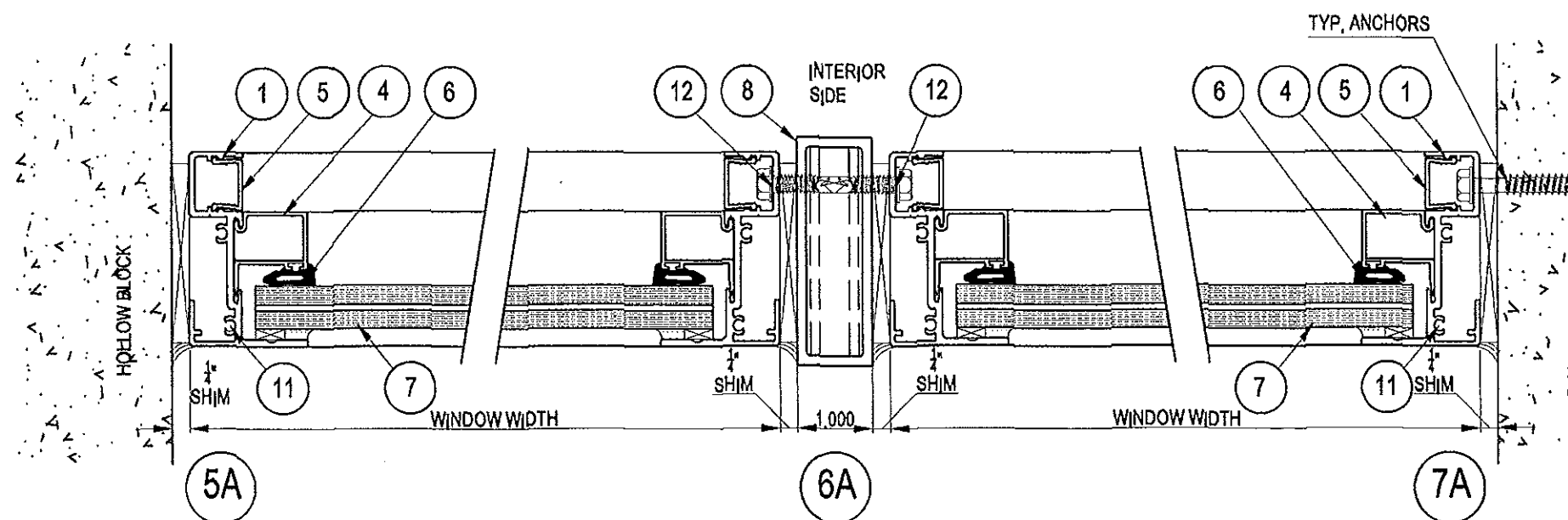
Miami Wall Systems, Inc.
701 West 25th Street
Hialeah, Florida, 33010
Phone: (305) 888-2300 Fax: (305) 888-3058

FIXED WINDOW SERIES 2050 (L.M.I.)

SECTIONS & PRESSURE CHART



FIXED - FIXED WINDOWS UNEQUAL LEG CONDITION



FIXED - FIXED WINDOWS EQUAL LEG CONDITION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0521-11
Expiration Date 02/21/2015
By *Mamuel Perez*
Miami/Dade Product Control

Jorge E. Valdes
Fla. PE# 67398
C.A.N. 28565

Miami Wall Systems, Inc.

701 West 25th Street
Hialeah, Florida 33010

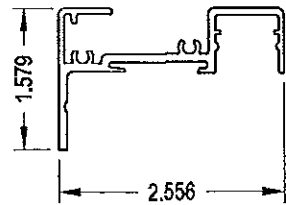
Phone: (305) 888-2300 Fax: (305) 888-3058

FIXED WINDOW SERIES 2050 (L.M.I.)

SECTIONS

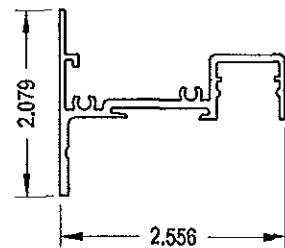
NO.	DATE	REVISION
1	5/15/2013	UPDATE TO 2010 FBC

DATE: 1/16/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: 2050-FW
SHEET 3 OF 6



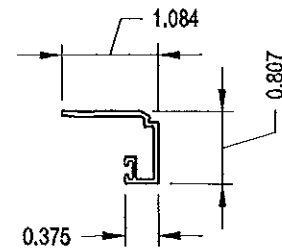
1 **EQUAL LEG FRAME**

MATERIAL: AL.6063-T6
TYP. WALL: .063



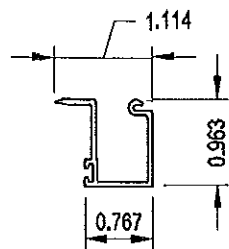
2 **UNEQUAL LEG FRAME**

MATERIAL: AL.6063-T6
TYP. WALL: .063



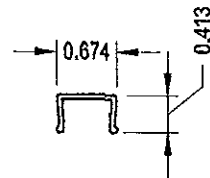
3 **GLAZING BEAD**

MATERIAL: AL.6063-T5
TYP. WALL: .050



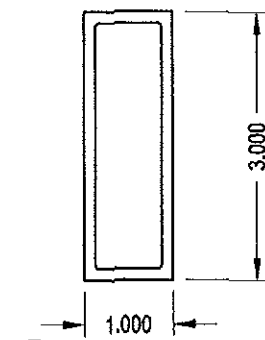
4 **GLAZING BEAD**

MATERIAL: AL.6063-T5
TYP. WALL: .050



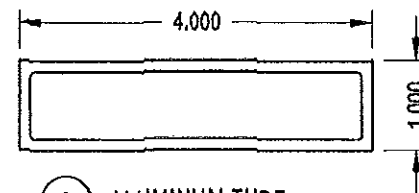
5 **SNAP COVER**

MATERIAL: AL. 6063-T5
TYP. WALL: .050



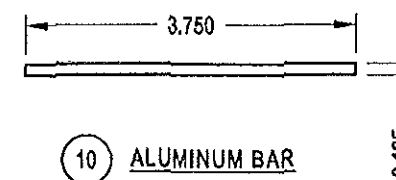
8 **ALUMINUM TUBE**

MATERIAL: AL.6063-T5
.125 THICK ALUMINUM



9 **ALUMINUM TUBE**

MATERIAL: AL.6063-T5
.125 THICK ALUMINUM

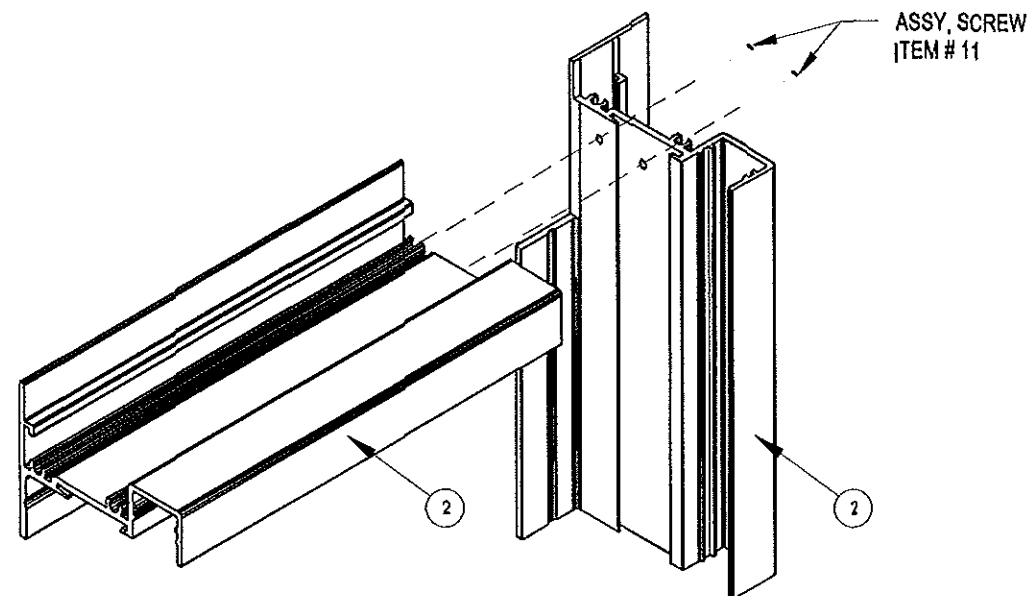


10 **ALUMINUM BAR**

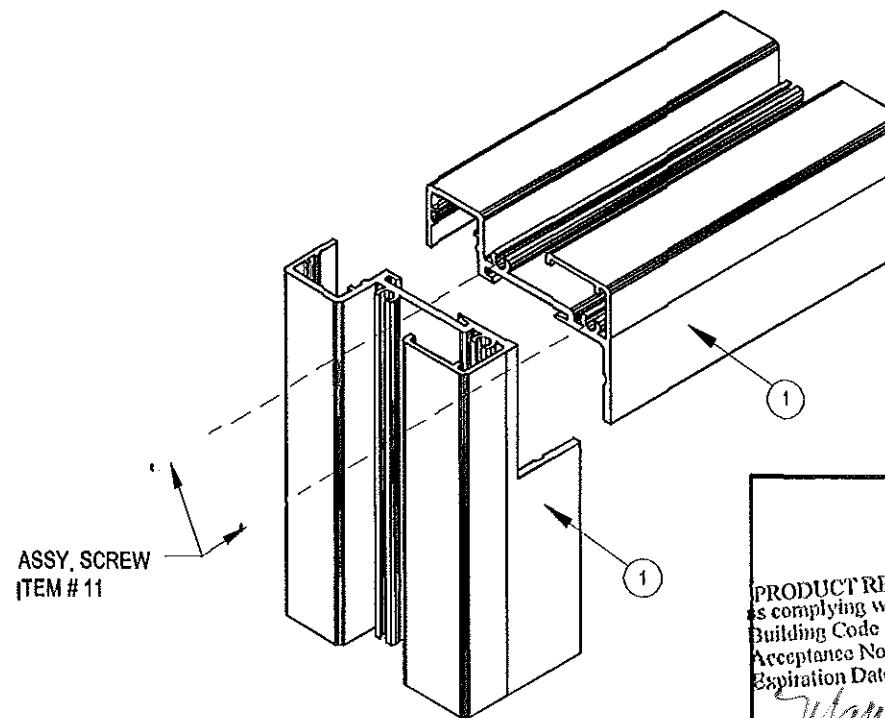
MATERIAL: AL.6063-T5
.125 THICK ALUMINUM

BILL OF MATERIALS

ITEM #	PART No.	REQ'D	PART NAME	REMARKS
1	2050-001	4 PER WINDOW	EQUAL LEG FRAME	AT SILL, HEAD & JAMBS
2	2050-002	4 PER WINDOW	UNEQUAL LEG FRAME	AT SILL, HEAD & JAMBS
3	2060-004	4 PER WINDOW	GLAZING BEAD	FOR 1 3/32" INSULATED LAMINATED GLASS
4	2060-005	4 PER WINDOW	GLAZING BEAD	FOR 5/16" LAMINATED GLASS
5	2050-003	4 PER WINDOW	SNAP COVER	AT SILL, HEAD & JAMBS
6		AS REQUIRED	TREMCO EPDM WEDGE SHORE "A" 68-71	AT INTERIOR SIDE OF GLASS
7		1 PER FRAME	3/16" LAMINATED GLASS	
8		1 PER MULLION	1" X 3" X 1/8" THK. X 64" LONG ALUMINUM TUBE	SEE CHART ON SHEET 4
9		1 PER MULLION	1" X 4" X 1/8" THK. X 64" LONG ALUMINUM TUBE	SEE CHART ON SHEET 4
10		2 PER MULLION	1/8" X 3 3/4" ALUMINUM REINFORCEMENT BARS	SEE CHART ON SHEET 4
11		2 PER CORNER	#8X1 1/2" PAN HEAD, S/S, S.M.S.	FRAME ASSEMBLY SCREWS
12		AS REQUIRED	1/4" DIAM. HEX HEAD TEK SCREW	SEE NOTE ON SHEET 2



**UNEQUAL LEG FRAME CORNER
DETAIL**



EQUAL LEG FRAME CORNER DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0521.11
Expiration Date 08/21/2018
By: *Manuel Perez*
Miami Dade Product Control

Jorge E. Valdes
Fla. PE# 67398
C.A.N. 28565

FIXED WINDOW SERIES 2050 (L.M.I.)
EXTRUSION DETAILS,
CORNER DETAILS &
BILL OF MATERIALS

NO.	DATE	REVISION
1	5/15/2013	UPDATE TO 2010 FBC

DATE: 1/16/2009
SCALE: AS NOTED
DWG. BY: L.R.A.
CHK. BY: JV
DWG NO.: 2050-FW
SHEET 6 OF 6

Miami Wall Systems, Inc.
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